

Date: Mon, 2 Aug 93 23:43:50 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #937
To: Info-Hams

Info-Hams Digest Mon, 2 Aug 93 Volume 93 : Issue 937

Today's Topics:

2M/70cm Activity in the Virgin Islands?
 Alinco 580 questions
 Alinco DJ-F1T
ARRL Space Bulletin 046, MODE B FOR PHASE 3D
 Earphone Phasing - an experiment
 FCC class A and B certification
 Handhelds on airplanes
 How many people actually use paddles ?
Needed: Source for battery for Zenith Minisport
 New 97.113 Text
 Opinions wanted: DJ-580 vs. FT-530
 Packet on Mac: Need starting advice
 Perseids
 posting (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Monday, 2 Aug 1993 22:43:54 EDT
From: usc!math.ohio-state.edu!sol.ctr.columbia.edu!hamblin.math.byu.edu!
yvax.byu.edu!cunyvm!ahrjj@network.ucsd.edu
Subject: 2M/70cm Activity in the Virgin Islands?
To: info-hams@ucsd.edu

I'm leaving in a little over a week for the U.S. Virgin Islands.
Naturally, the allure in signing /KP2 is pretty strong, but as
it is, I own no HF gear. Is it worth it to bring my 2M/70cm HT?

Anyone know whether there's any VHF/UHF down there, either on St. John or St. Thomas, or even on one of the BVI islands? Maybe even a repeater (or is that hoping too much?)...

Please reply directly, not to the group.

Thanks!

73 - Alex

Normal disclaimers apply. | Alex Rudd - KA2Z00
| John Jay College of Criminal Justice
/---\ / | ----- | City University of New York
|---| / | | | (212) 875-6274
| | / |___ |. 24 Pct. | AHRJJ@CUNYVM.cuny.edu

Date: 3 Aug 1993 04:30:01 GMT
From: usc!math.ohio-state.edu!magnus.acs.ohio-state.edu!flinxwei@network.ucsd.edu
Subject: Alinco 580 questions
To: info-hams@ucsd.edu

Would someone who owns a 580 kindly answer the following questions:

- what is the RX range(s) after complete modification
- what is the TX range(s) after complete modification
- if you were to purchase another dual band HT tomorrow,
would it be a 580? If not, what would it be?

Thanks for your help. I have a F1T right now, and am considering a 580 or an Icom W2A. Considering I am the new president of a ham club with a 70cm repeater, I had best be getting a 440 rig!

73,
Eric

Eric Linxweiler, N8UNN
The Ohio State Univeristy

President, W8LT
The OSU-Amateur Radio Club
W8ZR/R 442.6+

internet: linxweiler.1@osu.edu

packet: n8unn@w8cqk.#cmh.oh.usa.na
TCP/IP: 44.70.0.108
voice: 614/297-8042

Date: 3 Aug 1993 08:27:53 +1000
From: munnari.oz.au!metro!sequoia!ultima!kralizec.zeta.org.au!
kralizec.zeta.org.au!not-for-mail@network.ucsd.edu
Subject: Alinco DJ-F1T
To: info-hams@ucsd.edu

In <9306287438.AA743889224@sceng.UB.com> Gary_Thorburn_at_Notes-Gate@sceng.UB.COM
writes:

> I have the DJ-F1T. The guy at the Alinco booth at a Hamfest dropped one
> onto a (carpeted) concrete floor in the convention hall and then used it
> to demonstrate its ruggedness. It's the most rugged piece of consumer
> electronics I've ever owned, but then again, I've never bought a tank.
> It's my first HT, so I can't offer any comparisons, but I'm glad I bought
> it.

When we had our local amateur radio field day at Wyong (NSW Central
Coast, about half way between Sydney and Newcastle), I checked out the
DJ-F1T. I currently have a DJ-X1 scanner, which is built into the same
case as the DJ-F1T, and all I can say is to echo your comments about
it's ruggedness.

As I don't yet have an Australian amateur license, I can't own a
transceiver, but I have the DJ-F1T in my sights!

> I don't have the high-power version, but be aware that this is just a
> battery difference. If you buy the low-power version, then purchase the
> high-power battery pack, it becomes a high-power unit.

The thing I like is that you can put an empty dry cell case on the back,
and put a different battery pack somewhere else on your belt, or in the
pocket. When I took my DJ-X1 to Melbourne last year for a steam train
festival (Melbourne is about 1000 km south from Sydney), I travelled
by train, and used a little power pack I had built up to plug into the
240 volt mains outlet on in the sleeping compartment I was in to run
the radio until the next day. It saved me heaps on batteries, since I
didn't have a Nicad charger then.

--

Craig Dewick, Trainee Engineman, DELEC, NSW (craig@kralizec.zeta.org.au).
Let not the sands of time abrade your disks, for in time they will become sand.
May you all survive Kralizec, for it will bring about the rebirth of mankind as
a self-perpetuating organism. - Kralizec, the Typhoon Struggle.

Date: Tue, 3 Aug 1993 04:07:51 GMT
From: news.cerf.net!pagesat!spssig.spss.com!feenix.metronet.com!
marcbg@network.ucsd.edu
Subject: ARRL Space Bulletin 046, MODE B FOR PHASE 3D
To: info-hams@ucsd.edu

SB SPACE @ ARL \$ARLS046
ARLS046 MODE B FOR PHASE 3D

ZCZC AS26
QST de W1AW
Space Bulletin 046 ARLS046

Date: Tue, 3 Aug 1993 03:54:10 GMT
From: nih-csl!helix.nih.gov!arm@uunet.uu.net
Subject: Earphone Phasing - an experiment
To: info-hams@ucsd.edu

In article <23k31gINN815@newsstand.cit.cornell.edu> F. Kevin Feeney
<fkf1@cornell.edu> writes:
>In article <1993Aug2.194444.14128@alw.nih.gov> Andrew Mitz,
>arm@helix.nih.gov writes:
>>Picking a signal out of the noise (QRN and QRM) is a complex process
>>called auditory scene analysis. It requires more than localization.
>>It would be interesting to build a circuit that makes different cw
>>signals (or voice signals) sound like they come from different locations
>>in space. It would make picking out the signal a lot easier, I suspect.
>>Just a thought, I have no (good) idea how to do it!
>>
>>
>
>A discussion just started up in rec.radio.amateur.homebrew on building a
>system described a number of years back that used a low pass filter to
>the left ear and high pass filter to the right, giving you 'spatial'
>differentiation of signals at different tones. The original author
>claimed that it made picking one cw signal out of a group in the filter
>passband much easier since they appeared to come from different
>locations. From your posting, sounds like that might well be true.
>
>Someday I'll get time to build one of those...
>
>73 de Kevin, WB2EMS (fkf1@cornell.edu)

A great application for digital filtering, but I was thinking that just frequency filtering is not the only answer. (I'm not sure what is the better answer.)

--

Andrew Mitz, Biomedical Eng., Nationl Institutes | Opinions are mine alone
of Health Animal Center, Poolesville, MD | arm@helix.nih.gov

Date: 3 Aug 1993 02:20:52 GMT
From: psinntp!max.physics.sunysb.edu!rick@uunet.uu.net
Subject: FCC class A and B certification
To: info-hams@ucsd.edu

Michael Covington (mcovingt@aisun3.ai.uga.edu) wrote:
: In article <23c0fs\$s6j@hub.ucsb.edu> upsetter@mcl.ucsb.edu (Jason Hillyard)
writes:
: >I'm working with some people who have developed a computer peripheral
: >and are selling it as a kit. They were thinking of getting it FCC
: >certified.
: >
: >Some questions:
: >
: >- How do you get a product class A or B certified? How much does it cost?
: >- Do kits need to be certified to be legally sold?
: >- Can I get any info from the FCC about this stuff?

: Your college library should have the Code of Federal Regulations in their
: government documents section. Look at Title 47, Part 15.

: :- Michael A. Covington, Associate Research Scientist : *****

I'm interested in one of the topics the original poster asked about, ie whether kits need certification. So I went to the campus library and read up on the CFR Title 47, Part 15 of 10 Oct 92. Although the section does in fact speak to the issue of compliance by kits, the actual paragraph that treats the subject, 15.25, pretty narrowly defines "kits" to be only "TV interface devices" (aka RF modulators). In section 15.3p a kit is defined as a full or partial complement of parts with instructions that when assembled would be subject to part 15. If one takes part 15 in literal translation, one would have to seek certification for an RF modulator kit (or cable TV interface unit kit), or anything else that attaches to a consumer television set. Whether a computer interface peripheral

Rootstown, OH 44272-9995 USA phone: 216-325-2511
wtm@uhura.neoucom.edu amateur radio 146.58: N8WED

Date: 3 Aug 93 00:37:37
From: zip.eecs.umich.edu!zip.eecs.umich.edu!hideg@yale.arpa
Subject: How many people actually use paddles ?
To: info-hams@ucsd.edu

Regarding the weights -vs- length discussion:

My understanding of physics is that additional weight does not affect the period of a pendulum. Pendulum *LENGTH* changes the period.

--Steve
N8HSC, just learning to use a bug.

Date: 28 Jul 93 15:23:53 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!olivea!isc-br!tau-ceti!comtch!opus-ovh!bmork@network.ucsd.edu
Subject: Needed: Source for battery for Zenith Minisport
To: info-hams@ucsd.edu

amy@alchemy.TN.Cornell.EDU (Amy Rechenmacher) writes:

> Help, the battery in my Zenith Minisport HD just died and I need a new one
> ASAP. Does anybody have a source for them? Please drop me a reply via
> email. Many thanks..

The best source of collective information for the Minisport is the MiniSport Laptop Hacker series distributed in the comp.sys.zenith and rec.radio.amateur.packet newsgroups. ..I'm not biased :)

Have you tried directly connecting to the wall power and see that it works fine? Many power supplies are failing (which would show up in both cases), but you have the first dead battery I've heard of.

Brian Mork Internet bmork@opus-ovh.spk.wa.us
. . . . Amateur Radio ka9snf@wb7nnf.#spokn.wa.usa
.. . . USMail 6006-B Eaker, Fairchild, WA 99011

Date: Tue, 3 Aug 1993 04:04:59 GMT

From: news.cerf.net!pagesat!spssig.spss.com!feenix.metronet.com!
marcbg@network.ucsd.edu
Subject: New 97.113 Text
To: info-hams@ucsd.edu

The following is the 1993 change to FCC rule 97.113

97.113 Prohibited transmissions.

(a) No amateur station shall transmit:

(1) Communications specifically prohibited elsewhere in this Part:

(2) Communications for hire or for material compensation, direct or indirect, paid or promised, except as otherwise provided in these rules;

(3) Communications in which the station licensee or control operator has a pecuniary interest, including communications on behalf of an employer. Amateur operators may, however, notify other amateur operators of the availability for sale or trade, of apparatus normally used in an amateur station, provided that such activity is not conducted on a regular basis;

(4) Music using a phone emission except as specifically provided elsewhere in this Section; Communications intended to facilitate a criminal act; Messages in codes or ciphers intended to obscure the meaning thereof, except as otherwise provided herein; Obscene or indecent words or language; or false or deceptive messages, signals, or identification;

(5) Communications, on a regular basis, which could reasonably be furnished alternatively through other radio services.

(b) An amateur station shall not engage in any form of broadcasting, nor may an amateur station transmit one-way communications except as specifically provided in these rules; nor shall an amateur station engage in any activity related to program production or newsgathering for broadcasting purposes, except that communications directly related to the immediate safety of human life or the protection of property may be provided by amateur stations to broadcasters for dissemination to the public where no other means of communication is reasonably available before or at the time of the event.

(c) A control operator may accept compensation as an incident of a teaching position during periods of time when an amateur station is used by that teacher as a part of classroom instruction at an educational institution.

(d) A control operator of a club station may accept compensation for the periods of time when the station is transmitting telegraphy

practice or information bulletins, provided that the station transmits such telegraphy practice and bulletins for at least 40 hours per week; schedules operations on at least six amateur service MF and HF bands using reasonable measures to maximize coverage; where the schedule of normal operating times and frequencies is published at least 30 days in advance of the actual transmissions; and where the control operator does not accept any direct or indirect compensation for any other service as a control operator.

(e) No station shall retransmit programs or signals emanating from any type of radio station other than an amateur station, except propagation and weather forecast information intended for use by the general public and originated from United States Government stations, and communications, including incidental music, originating on United States Government frequencies between a space shuttle and its associated Earth stations. Prior approval for shuttle retransmissions must be obtained from the National Aeronautics and Space Administration. Such retransmissions must be for the exclusive use of amateur operators. Propagation, weather forecasts, and shuttle retransmissions may not be conducted on a regular basis, but only occasionally, as an incident of normal amateur radio communications.

(f) No amateur station, except an auxiliary, repeater or space station, may automatically retransmit the radio signals of other amateur stations.

--

Marc B. Grant, N5MEI		marchbg@feenix.metronet.com		214/231-3998 (voice)
P.O Box 850472		marchbg@esy.com		214/231-0025 (fax)
Richardson, TX 75085				

Date: Tue, 03 Aug 1993 02:41:12 GMT
From: usc!math.ohio-state.edu!magnus.acs.ohio-state.edu!usenet.ins.cwru.edu!
neoucom.edu!wtm@network.ucsd.edu
Subject: Opinions wanted: DJ-580 vs. FT-530
To: info-hams@ucsd.edu

Speaking of the voltmeter on the Yaesu 530...

Something I'd like to see on an HT is an mAH meter. It doesn't seem like it would be too difficult for an HT's microprocessor to integrate the current flow from the battery. The terminal voltage on ni-cd batteries doesn't drop very much until they're about spent. Integrating the current consumption might give a little more useful indication of the amount of charge left in the battery.

The idea of integrating current consumption has been done after a fashion with a TSR program for portable DOS computers. The program

Another thing that would be nice to have would be some sort of audio annunciator that would chirp if the battery voltage drops too low to power the radio while the the unit is keyed in transmit state. It is rather aggravating to discover that I've been talking into a dead HT for the last minute or so

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--
Bill Mayhew          NEOUCOM Computer Services Department
Rootstown, OH  44272-9995  USA      phone: 216-325-2511
wtm@uhura.neoucom.edu      amateur radio 146.58: N8WED
```

Greetings, Hams!

Anybody want to offload their old Mac Packet setup to get me started?

Gratefully,

```
\\ \ Jeff Phillips /  
 \ KD6ONM /  
 / phillips@ \  
 / nexus.chapman.edu\  
//
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Date: 3 Aug 93 02:11:11 GMT
From: news-mail-gateway@ucsd.edu
Subject: Perseids
To: info-hams@ucsd.edu

Perseids

Active: July 17--August 24
Maxima: August 12, 4h UT ($\lambda=139.6^\circ$) and 15h UT ($\lambda=140.1^\circ$)
ZHR = 95
Radiant : $\alpha=46^\circ$, $\delta=+58^\circ$
Delta\alpha, Delta\delta: see Table 4
diameter: 5°
V = 59 km/s
r= 2.6
TFC: $\alpha=019^\circ$, $\delta=+38^\circ$ and $\alpha=348^\circ$, $\delta=+74^\circ$
before 2h local time
 $\alpha=043^\circ$, $\delta=+38^\circ$ and $\alpha=073^\circ$, $\delta=+66^\circ$
after 2h local time ($\beta > 20^\circ$ N)

Date: Tue, 3 Aug 1993 00:37:31 GMT
From: pipex!bnr.co.uk!bnrgate!bcars267!bnr.ca!wdhyte@uunet.uu.net
Subject: posting
To: info-hams@ucsd.edu

well, I got an email answer that helped me quite a bit. Basically it is considered bad netiquette (sp) to post binary files into NON binary newgroups. Makes perfect sense to me. Now, do we (hams) *have* a binary posting newsgroup (rec.radio.amateur.binary?) that we CAN put stuff of a share/freeware nature? One doesn't appear on my server but that doesn't mean it's not out there. I ask this specifically for the untold number of us that have access to the net but for one reason or another do not have FTP access to the net or to any of the archive sites (picture of myself holding hand in the air with sheepish grin). So, do we have one (binary area)? Do we need one? Anyone with more experience than myself (oldtimer of 6 weeks now on the net!) have a suggestion or want to volunteer to be a moderator of a new group (I don't have a clue as to what's involved in even creating a new group, who to talk to, etc.).

Dave/7J1AIW/WZ1S

>in even creating a new group, who to talk to, etc.).

Best advice I ever heard. Subscribe to news.groups and read it diligently for six months. Then...read it for another year. Starting news groups is not for the faint at heart, nor thin skinned.

73 de KA6ETB

Date: (null)
From: (null)

Date: (null)
From: (null)

--
Marc B. Grant, N5MEI | marchbg@feenix.metronet.com | 214/231-3998 (voice)
P.O Box 850472 | marchbg@esy.com | 214/231-0025 (fax)
Richardson, TX 75085 |

End of Info-Hams Digest V93 #937
